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(Separate paging is given to this Part in order that it may be filed as a separate compilation)

भाग III—खण्ड 2

[PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नोटिस

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Calcutta, the 14th May 1988

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The dates shown in the crescent brackets are the dates claimed under Section 135, of the patents Act, 1970.

The 6th April, 1988

284/Cal/88. Injectall Limited. Devices and apparatus for injecting gas into high temperature liquids, E.G. Molten Metals. [Convention dated 10th April, 1987 (8708673)] U.K. & [Convention dated 22nd January, 1988 (8801455)] U.K.

285/Cal/88. Injectall Limited. Improvements in sealing injection apparatus for injecting substances into molten metals. [Convention dated 10th April, 1987 (8708672)] U.K. & [Convention dated 28th May, 1987 (8712542)] U.K.

286/Cal/88. Karel Havel. Electrical zero insertion force multiconnector. [(Convention dated 30th April, 1987 (L6T 3 W2)] Canada

The 7th April, 1988

287/Cal/88. Gobind Sanwaria. Novel and unique system or contrivance for monitoring and/or controlling the smooth operation and/or movement of lift cages in coal mine shafts.

288/Cal/88. Lisapharma Spa. Pharmaceutical compositions in the form of stable sucralfate suspensions free of suspending agents

The 8th April, 1988

289/Cal/88. Narayan Chandra Acharyya. Briquette coal making from aquatic weeds *i e "kachuri-pana"*.

290/Cal/88. Md. Shamsuzzoha. Gramin gari (a steel cart)

291/Cal/88. The Babcock & Wilcox Company. Snap on fuse cover.

292/Cal/88. Mcdermott Incorporated. Removal closure device.

293/Cal/88. Compagine Europeenne Du Zirconium Cezus. Process for the production of a titanium alloy part and the part obtained.

294/Cal/88. Nederlandse Stikstof Maatschappij B.V. A process for producting fertilizer granules.

The 11th April, 1988

295/Cal/88. Hoechst Aktiengesellschaft. A process for preparing triphendioxazine compounds.

296/Cal/88. Fried Krupp Gesellschaft Mit Beschrankter Haftung. A procedure for the check-up of the position of a total carrier in the tool holder of a tool changing equipment as well as for the cleaning of the end faces between the tool holder and the tool carrier and the tool carrier and the equipment for the conduction of this procedure

297/Cal/88. Ajit Raj Singh Bhagat. Dome shaped shelters for very cold reasons

APPLICATION FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, MUNICIPAL MARKET BUILDING, IIIRD FLOOR, KAROL BAGH, NEW DELHI-110005.

The 14th March, 1988

194/Del/88 Pfizer Hospital Products Group, Inc., "Semipermeable nerve guindnce channels".

195/Del/88. Mobil Solar Energy Corporation, "Crystal growing apparatus".

196/Del/88. PPG Industries, Inc., "Sputtered films of bismuth/tin oxide".

197/Del/88. Otis Elevator Co., "Improvements in elevators".

The 16th March, 1988

198/Del/88. Council of Scientific & Industrial Research, "A process for making portland cement from rice husk".

199/Del/88. Council of Scientific & Industrial Research, An electronically heated composite emitter for high resolution electron optical instruments".

200/Del/88. Council of Scientific & Industrial Research, "Novel water soluble ruthenium metal complexes as efficient catalysts for water gas shift reaction".

201/Del/88. Council of Scientific & Industrial Research, "A process for synthesis of zeolites from paper mill waste liquor".

202/Del/88. Norsolor, "Binder pitch for for electrodes".

203/Del/88. UOP INC., "Process and catalyst for the oligomerization of olefins".

204/Del/88. Standipack Private Limited, "A board".

205/Del/88. Saurabh Natverlal Kinariwala, "A moulded storage tank".

206/Del/88. Anil K. Rajvanshi & Nimbkar Agricultural Research Institute, "An internal combustion engine operable on a producer gas".

207/Del/88. The B.F. Goodrich Co., "N-(substituted cyclic alkyl-encimine ∝ (3-5-Di-Alkyl-4-Hydroxyphenyl)-α', α". Dialkyl acetamides".

208/Del/88 Sulzer Brothers Ltd., "A method or recovering free-flowing carrier materials".

209/Del/88. Esco Corporation, "Dragline bucket".

210/Del/88. Norabel AB, "A method of effecting a single joint between two pipes".

211/Del/88. Emhart Industries, Inc., "Improved code reader".

212/Del/88. Avery International Corporation, "Dry paint transfer process and product".

213/Del/88. Miles Inc., "Dicyanoethylaryl derivatives and process for their preparation".

The 17th March, 1988

214/Del/88. Council of Scientific & Industrial Research, "A process for the hydrogenation of oils and other unsaturated compounds using clay loaded metal complex catalysts". [Divisional date 20th December, 1985].

The 17th March, 1988

215/Del/88. Council of Scientific & Industrial Research, A process for the preparation of hard butter having reduced 9 10-Dihydroxysteraic acid content from sal fat useful as cocoa butter extender".

[Divisional date 5th November, 1986].

216/Del/88. The Gillette Co., "Improvements in or relating to razors". (Convention date 3rd April, 1987) (U.K.).

217/Del/88. PPG Industries Inc., "Sputtered titanium oxynitride films".

The 18th March, 1988

218/Del/88. Mahesh Chand Gupta, "Improved process of insulation of wires and cables by polymer films".

219/Del/88. National Institute of Immunology, "Improvements in the diagnosis of tuberculosis mycobacteria".

320/Del/88. Process Research and Development Co. "Process for preparing alkylene carbonate from alkylene oxide". [Divisional date 13th September, 1985].

321/Del/88. Astra Meditec AB, "Automatic two-chamber injector".

APPLICATIONS FOR PATENTS FILED AT THE PATENT OFFICE BRANCH, 61, WALLAJAH ROAD, MADRAS-600 002.

The 21st March, 1988

178/Mas/88. Maschinenfabrik Rieter AG. A bearing mounting for high speeds of rotation.

179/Mas/88. Maschinenfabrik Rieter AG. A beaing mounting for high speeds of rotation.

180/Mas/88. DRG (UK) Limited. Rail Car Tipplers. (November 28, 1983; Great Britain) (Divisional to Patent Application No. 925/Mas/84).

181/Mas/88. DRG (UK) Limited. Rail car tippler installations (November 28, 1983; Great Britain)). (Divisional to Patent Application No. 925/Mas/84).

182/Mas/88. DRG (UK) Limited. Rail Car Tripplers (November, 28, 1983; Great Britain) (Divisional to Patent Application No. 925/Mas/84).

183/Mas/88. Norman Louis Weinberg. A method for making ethylene glycole. (Divisional to Patent Application No. 760/Mas/84).

The 22nd March, 1988

184/Mas/88. Ciba-Giegy AG. Microbicidal formulation.

185/Mas/88. Ammonia Casale S.A. System to obtain on optimal gas distribution in catalystic beds for heterogeneous reactions in gaseous phases.

186/Mas/88. Alcan International Limited. Surface coating compositions (March 24, 1987; United Kingdom)

187/Mas/88. Institut Francais Du Petrole. A method and device for carrying out measurements and/or work in a heavily inclined well portion and application thereof to the construction of profiles.

The 23rd March, 1988

188/Mas/88. Stewart Hughes Limited. Monitoring of foreign object ingestion in engines. (March 25, 1987; United Kingdom).

189/Mas/88. Institut Francais Du Perole. A system for the transmission of signals between a reception assembly lowered into a well and a central control and recording laboratory.

190/Mas/88. James Steel. A fire protection system for an aircraft. (November 13, 1987; United Kingdom).

The 24th March, 1988

191/Mas/88. Sorg GmbH & Co. Energy saving method for malting glass and glass melting furnace for the practice of this method.

192/Mas/88. Rieter Machine Works Limited. An apparatus for producing a body of thread and a method of producing the same. (Divisional to Patent Application No. 937/Mas/84).

193/Mas/88. Hydro-Quebec. System and method or the identification of phase conductors. (March 27, 1987; Canada).

The 28th March, 1988

194/Mas/88. McPherson's Limited. Scissors Sharpner, (April 6, 1987; Australia).

195/Mas/88 Kemira Oy. Coated silicate particles.

196/Mas/88. ICI Americans Inc. Catalytic process for preparing dialkyl phosphorodithioic acids.

197/Mas/88. Applied Medical Research, Ltd., Incorporated. Compositions and methods of effecting contraception.

The 29th March, 1988

198 Mas/88. Hoogovens Groep BV. A method of rolling strip in a rolling mill and a control system therefor.

199/Mas/88. Albany Research (UK) Limited. Improvements in and relating to synthetic down. (August 3 1987; United Kingdom).

200/Mas/88. Swiss Aluminium Ltd. Process for reduction of contaminants in caustic liquors of the Bayer process.

The 30th March, 1988

201/Mas 88. BBC Brown Boveri AG. Gate Turn-off thyristor and method of producing same.

202Mas/88. Henkel Kommanditgesellschaft auf Aktien. Process for common separation of contaminating elements from electrolyte solutions of valuable metals.

203/Mas/88. Union Carbide Corporation. Process for purifying tertiary organophosphites.

204 Mas 88. Claude Alain Gratsmuller. A differential hydraulic jacl with damping system for the control of electric circuit-breakers.

205/Mas/88. Sepracor. Inc. Method and apparatus for resolution of stereoisomers in multiphase and extractive membrane reactors.

206/Mas/88. Cassella Aktiengesellschaft. Process for preparing a monezao dyestuff. (Divisional to Patent Application No. 1031/Mas/84).

207/Mas/88. ZVI Orbach. Fabrication of customized integrated circuits.

APPLICATIONS FOR PATENTS FILED IN THE PATENT OFFICE BRANCH AT TODI ESTATES, 3RD FLOOR, SUN MILL COMPOUND, LOWER PAREL (WEST), BOMBAY-13

The 16th February, 1988

33/Mom/88. Manohar Palsule Desai. Bowl-shaped plastic micro-wave, dish.

The 17th February, 1988

34/Bom/88. Prashant Balchandra Thorat. A multi-purpose handy pocket tool for cleaning spark plugs of spark ignition engines.

The 19th February, 1988

35 Bom/88. Joshi Nandakumar Ramchandra. Method of minimization of error and jitter in Analog to digital conversion and digital voltmeters caused by changes in power line frequency.

36/Bom/88. Joshi Nandakumar Ramchandra. Multichannel analog to digital converters with high speed and accuracy.

37/Bom/88. Joshi Nandakumar Ramchandra. Method of minuaization offset errors in analog to digited converters and digital voltmeters.

The 22nd February, 1988

38/Bom/88. Shirish Shankar Daudkhane. Light weight luxurious relaxing chair.

39/Bom/88. Ravindrakumar Rabjibhai Yadav. Perforated double filter cigarettes.

The 23rd February, 1988

40/Bom/88. Prav Electrospark Pvt. Ltd. A.D.C. brushless motor fan.

41/Bom/88. Satish Trimbak Sane. A process of making cores having self mounting means.

The 24th February, 1988

42/Bom/88. Bharat Rasiklal Gandhi. Improved Rail and bogie system.

The 25th February, 1988

43/Bom/88. Arvind Vasudeo Joshi. Improved bed having bed-pan facility for use by patients, conservalescents and invalid persons.

44/Bom/88. Arvind Vasudev Joshi. Improved bed for use by patients convalescants and invalid persons.

The 26th February, 1988

45/Bom/88. Joaquim Antonio Valadares. Unbalance internal combustion engine.

46/Bom/88. Hoechest India Ltd. Process for the preparation of chemothrapeutic novel Thieno (4, 5-g) quinoxaline and pharmaceutically acceptable salts thereof.

ALTERATION OF DATE

162380. Ante dated to 5th December, 1983. (97/Cal/87).

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Class :—141 D. 162351

Int. Classs—BO3d 1/00.

"A PROCESS FOR THE BENEFICIATION OF AN ORE".

Applicant:— ALBRIGHT & WILSON LIMITED, a British Company, of Albright & Wilson House, Hagley Road West, Oldbory Warlery, West Midlands, England.

Inventors:—DOUGLAS NEL COLLINS & JOHN DESMOND COLLINS.

Application for patent no. 280/Del/84 filed on 29th Marh, 1984.

Convention date 29th March, 1983/8308639 & 28th February, 1984/8405133 (U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-5.

(20 claims)

A process for the beneficiation of an ore such as herein described comprising a metalfoxide or zide like compound, apart from one of tin or tungsten, which comprises subjecting an aqueous slurry there of at pH 1.5-11 to froth flotation in the presence of at least one substituted amino phosphonic acid or salt thereof general formula $R_a R^1_b R^2_c N(R^3PO_3H_2)_3$ -a-b-c wherein each of R, R^1 and R^2, which are the same or different represents an organic group. R^3 represents a divalent organic group and each of a, b and c represents O or 1, but when a is 1, b and c are Q and when a is O, b and c are 1, and separating by known methods a fraction comprising beneficiated oxide or oxide-like compound from a second fraction depleted in said oxide or oxide-like compound.

(Complete specification 22 pages)

CLASS : 70 B. 162352

Int. Cl. : BO1k 3/00.

"AN IMPROVED PROCESS FOR THE PREPARATION OF RUTHENISED TITANIUM ELECTRODES".

Applicant : COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg, New Delhi-110 001, India an Indian registered body incorporated under the Registration of Societies Act (Act XXI of 1860).

Inventors : KUMMATTITHIDAL SENTHANAM RAJAGOPALAN, SUBBIAH GURUVIAN, RAMESH ARGHODE, GOPALACHARI VENKATACHARI, KUNJUMANI CHANDRAN & MARIKKANNU VISWANATHAN.

Application for Patent No: 794/Del/84 filed on 10th October, 1984.

Complete specification left on 8th November, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

6 Claims

An improved process for the preparation of ruthenised titanium electrode which comprises pretreating the titanium substrate with a mixture of sulphuric acid, phosphoric acid, ammonium flurite and water, electrolytically depositing ruthenium on the substrate from a ruthenium nitroso chloride bath using a current density of 20 ASF-30ASF, a voltage of 20—25V for a period ranging from 20—40 minutes at a temperature in the range of 70—90°C and annealing by heating the coated substrate.

Provl. Specn. 3 pages,

Compl. Specn. 7 pages.

CLASS : 187 E-&.. 162353

Int. Cl. : HO4m 1/04.

"TELEPHONE HANDSET".

Applicant : NORTHERN TELECOM LIMITED, a company organised under the laws of Canada and having its head office at 1600 Dorchester Boulevard, West, Montreal Quebec, Canada, H3H 1R1.

Inventor : GERD KUHFUS.

Application for Patent No. 24/Del/85 filed on 15th January, 1985.

Convention date 17th February, 1984/447725/(Canada).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

9 Claims

A telephone handset having two elongate members, a back member and a front member, the back member being substantially rigid and curved along its length to have an arcuate form having a convex back surface and concave front peripherally extending rim 43; the front member 21 including a flexible center portion 50 and a forward extending housing 22, 23 at each end, a transmitter 25 being positioned in one housing 23 and a receiver 24 being positioned in the other housing 22, the flexible center portion 50 extending substantially planar in an unrestrained condition, and interengaging means 47, 59, 60 located at each end of each of the back and front members at ends of the members for retaining the front member 21 against the peripherally extending rim 43 on the back member 20, the flexible center portion 50 being constrained into an arcuate form.

Compl. Specn. 12 pages. Drgs. 2 sheets.

CLASS : 48 A4. 162354

Int. Cl. : HO2g 1/12.

"A TOOL FOR STRIPPING OFF DISTINCT LAYERS FROM A CYLINDRICAL MULTILAYER ELONGATE MEMBER".

Applicant : BARRY PETER LIVERSIDGE, a British subject of 9 Heather Close, Layer-de-la-Haye, Colchester, Essex England.

Inventor : BARRY PETER LIVERSIDGE.

Application for Patent No. 34/Del/85 filed on 18th January, 1985.

Convention date 20th January, 1984/8401513 & 25th May, 1984/8413445/(U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

8 Claims

A tool for stripping off distinct layers from a cylindrical multilayer elongate member, which tool comprises a body defining an opening for receiving the member to be stripped, a cutting blade having a cutting edge, a pin mounting the cutting blade on the body so that the cutting edge extends across and projecting into the opening and so that the blade is freely pivotable about the pin, and stop means interengageable with the cutting blade to limit the free pivoting movement of the cutting blade in both the clockwise and the counter-clockwise senses about the pivot pin, the stop means being adapted to co-operate with the cutting blade so that when the cutting blade is moved to one limiting position the cutting edge of the blade projects into the opening to a greater extent than when the cutting blade is moved to its other limiting position, the movement of the cutting blade to either one of its two said limiting positions being caused by rotation of the tool about the member to be stripped during a stripping off operation and depending upon the sense of rotation thereabout and optionally a guide means adapted to assist the positioning of the tool with respect to the member to be stripped.

Compl. Specn. 28 pages. Drgs. 3 sheets.

CLASS : 9 E. 162355

Int. Cl. : C22c 29/00.

"A PROCESS OF PRODUCING A BORON ALLOY".

Applicant : ARMCO INC., a corporation of the State of Ohio, U.S.A., of 703 Curtis Street, Middletown, Ohio 45043, United States of America.

Inventors : RICHARD CHARLES SUSSMAN & LARRY GENE EVANS.

Application for Patents No. 37/Del/85 filed on 21st January, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

7 Claims

A process of producing a boron alloy by in situ reduction of a boron compound such as herein described in a metallic melt such as herein described and alloying the boron recovered by reduction with the metallic melt compromising the steps of production by a method such as herein described said matallic melt, adding an exothermic reductant as herein described to said melt for reducing said boron compound; adding said boron compound to said melt; and vigorously mixing said melt, said reductant and said boron compound to achieve and sustain substantial equilibrium and to reduce said boron compound to boron and to alloy said boron therein with said melt.

Compl. Specn. 31 pages. Drg. 1 sheet.

CLASS : 72 B. 162356

Int. Cl. : CO6b 1/04.

"AN EXPLOSIVE COMPOSITION AND A METHOD FOR ITS PREPARATION".

Applicant : AECI LIMITED. of 16th Floor, Office Tower, Carlton Centre, Commissioner Street, Johannesburg, Transvaal, Republic of South Africa, a company incorporated with limited liability in accordance with the laws of the Republic of South Africa.

Inventors : JEREMY GUY BREAKWELL SMITH, ARNO WERNER DOLZ & CARL HERMANUS LUBBE.

Application for Patent No. 40/Del/85 filed on 22nd January, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

15 Claims

An explosive composition which includes :

an explosive emulsion comprising a discontinuous phase which includes an oxidising salt such as herein described and a continuous phase which includes a fuel such as herein described and which is immiscible with the discontinuous phase;

ammonium nitrate prills; and

a water-resisting agent such as herein described for inhibiting deterioration of the ammonium nitrate prills in the presence of water, which agent has the effect of inhibiting access of water to the ammonium nitrate prills.

Compl. Specn. 34 pages.

CLASS : 158 A. 162357

Int. Cl. : B61d 5/04.

RAILWAY TANK CAR WITH HEAT EXCHANGE ELEMENTS IN TANK FOR PROMOTING FLOW OF LIQUID FROM THE TANK.

Applicant & Inventor : RICHARD PAUL LOEVINGER, a citizen of the United States of America, of P. O. Box 68, Brandon, State of South Dakota, United States of America.

Application for Patent No. 67/Del/85 filed on 29th January, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

10 Claims

A railway tank car with heat exchange elements for promoting flow of liquids, having a tank mounted on tank cradles adjacent bolsters for wheel trucks, said tank having two closed ends and a substantially cylindrical wall having a bottom portion with a cargo outlet valve mounted on said bottom portion intermediate said closed ends an improved cargo heating means comprising :

first means for heating affixed to said bottom portion of said tank adjacent said outlet valve and extending toward each end of said tank and having a terminal portion intermediate said valve and each of said ends of said tank;

second means for heating sealingly engaged with each end of said tank above said bottom portion of said tank and slooingly extending to sealingly engage said bottom portion of said tank adjacent said terminal portion of said first means, said second heating means being sealingly engaged with said tank for forming a dead air space between said second means and said bottom portion of said tank;

first connective means for placing said first means in fluid flow communication with said second means for enabling a heated fluid to flow through said first means and said second means for heating a liquid cargo contained in said tank above said first and said second means; and

second connective means for placing said first heating means in fluid flow communication with a source of heated fluid for causing said heated fluid to flow into and out of said seating means.

Compl. Specn. 16 pages. Drgs. 2 sheets.

CLASS : 24 A&E & 134 B. 162358

Int. Cl. : B601 7/00 & H02p 15/00.

"BRAKE CONTROL SYSTEM FOR A MULTIPLE UNIT TRAIN".

Applicant : WESTINGHOUSE BRAKE AND SIGNAL COMPANY LIMITED, a British company, of Pew Hill, Chippenham, Wiltshire, England.

Inventor : JOHN DAVID POOLE.

Application for Patent No. 68/Del/85 filed on 29th January, 1985.

Convention date 13th February, 1984/8403721/(U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

14 Claims

A brake control system for a multiple unit train which has a mixed braking system of dynamic and friction brakes, which is made up of dynamically and friction braked motor and friction braked only trailer units, and in which the dynamics brakes are applied preferentially; the brake control system comprising :

(i) means for generating a brake demand signal calling for a rate of retardation of the train; load responsive means on each said unit operative to provide for each respective unit a load weighed brake signal corresponding to the brake demand signal and in accordance with the load of the unit;

(ii) summing means connected on the input side to receive the load weighed brake signals from all said units and connected on the output side to dynamic brake control means to control actuation of the dynamic brake system, this connection being via dynamic brake control signal limiting means also connected at the input side to receive said load weighed signal of each dynamically braked unit so as to be operative effectively to limit dynamic braking to a maximum adhesion limit calculated thereby; and

(iii) friction brake controlling means on each unit connected to the friction brakes of the unit to control the level of friction braking of the respective unit, each said friction brake controlling means including signal subtracting means connected to receive the load weighed brake signal for the unit, this signal subtracting means on a dynamically braked unit being connected also to receive a signal from the dynamic brake control means representing the dynamic braking effort achieved and the signal subtracting means on a unit that is only friction braked being connected also to receive a signal that is a summation of said signal from the dynamic brake control means and said load weighed signal of each dynamically braked unit and hence representing the excess of dynamic brake effort achieved over that required by the load weighed signal of each dynamically braked unit.

Compl. Specn. 23 pages. Drgs. 10 sheets.

CLASS : 98 I. 162359

Int. Cl. : F24j 3/00, 3/02 & F28f 3/00.

A SOLAR HEAT TAPPING WALL PANEL.

Applicant & Inventor : KRISHNA BHAT, an Indian national of C-7/232 Safdarjung Development Area, New Delhi-110 016, India.

Application for Patent No. 176/Del/85 filed on 5th March, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

14 Claims

A solar heat tapping panel which comprises an insulating front transparent member, a heat absorber metal sheet spaced from the front transparent member, a backing plate spaced behind said absorber metal sheet heat insulation provided behind the backing plate, all said components being assembled in and held in place within a frame and a hot air outlet and a cold air inlet being provided, leading to outside from the space between the absorber metal sheet and the backing plate.

Compl. Specn. 9 pages. Drg. 1 sheet.

CLASS : 116 C. 162360

Int. Cl. : B65g 15/00, 15/60 & 39/12.

"ANGLE STATIONS FOR ENDLESS CONVEYOR BELTS".

Applicant : ANDERSON STRATHCLYDE PLC., a British company, of 47 Broad Street, Bridgeton, Glasgow G 40 2QW, United Kingdom.

Inventor : WILLIAM HARRISON.

Application for Patent No. 281/Del/85 filed on 2nd April, 1985.

Convention date 7th April, 1984/8409059/(U.K.).

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110 005.

4 Claims

An angle station for an endless conveyor belt, comprising a rectangular framework having opposed longitudinal sides and mounting an upper and a lower horizontal roller bank disposed in parallel with each other and located across the framework between said sides thereof at an acute angle relative to the side of the framework from which the upper run of the conveyor belt enters and the coaxially lower run exits a reversing roller downstream of the upper bank to reverse the direction of the upper run of the belt after it has passed over and round the upper roller bank, and a reversing roller upstream of the lower roller bank to reverse the direction of the return run before it passes over and round the lower roller bank, the framework having two pairs of mounting means, on one or other pair of which, mounting means the upper and lower roller banks can be mounted to receive the belt from one side of the frame or from the other side of the frame, each roller bank having an array of cylindrical rollers (23) each of which is rotatable about a fixed axis and said rollers are fixedly disposed in a helical path to change the direction of the belt through an angle equal to the lesser angle of entry, one of said rollers having a helical path to change the direction of the belt to the left and the other of said rollers having a helical path to change the direction of the belt to the right, said pair of rollers being vertically interchangeable so that the upper and lower banks when mounted on one pair of mounting means becomes the lower and upper banks when mounted on the other pair of mounting means.

Compl. Specn. 10 pages. Drgs. 2 sheets.

CLASS : 206-E & I. 162361

Int. Cl. : H 03 f 3/34.

A WIDE-BAND SHORT-WAVE RADIO TRANSMITTER.

Applicant : SIEMENS AKTIENGESELLSCHAFT, OF BERLIN AND MUNCHEN, D-8000 MUNCHEN, WITTELSBACHERPLATZ 2, FEDERAL REPUBLIC OF GERMANY.

Inventor : 1 DR. JOHANN GERHARD ZIRWAS.

Application No. 57/Cal/84 filed January 27, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Calcutta.

8 Claims

A short-wave radio transmitter which can be tuned over a wide frequency band, with a push-pull amplifier output stage and a filter arrangement between the amplifier output and the transmitter output having a plurality of sub-filters allocated to specific sub-frequency bands of the transmitter operating frequency to suppress undesired harmonics of the transmitter operating frequencies, which sub-filters can be selectively switched into the signal path at the input and output ends via electrically controllable switches in dependence upon the transmitter operating frequency, said sub-filters being specifically designed to give an adequately high blocking attenuation of the harmonics which are even-numbered multiples of the transmitter operating frequency, and the requisite blocking attenuation for harmonics which are odd-numbered multiples of the transmitter operating frequency is produced by additionally switching into the signal path at least one further said sub-filter which is allocated to the next higher sub-frequency band relative to the sub-frequency band determined by the transmitter operating frequency.

Compl. Specn. 17 pages. Drgs. 5 sheets.

CLASS : 154-B & D. 162362

Int. Cl. : B 41 f 5/00, 7/00, 13/00, 15/00, 17/00, 21/00.

GRAVUER PRINTING MACHINE.

Applicant : CHAMBON LIMITED, OF RIVERSIDE WORKS, STANDISH ROAD HAMMERSMITH, LONDON, W6 9AN, ENGLAND, UNITED KINGDOM.

Inventors : 1. JEREMY CHRISTOPHER SHEATH, 2. WILLIAM DOMINIC HODGES.

Application No. 81/Cal/84 filed February 3, 1984.

Convention dated 4th February, 1983 (83 03 174) U. K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

14 Claims

A gravuer printing machine (4) for applying coating material to predetermined areas of pre-printed sheets (2), the pre-printed sheets each having a plurality of rows of pre-printed areas the machine comprising an upper engraving roller (5), a lower pressure roller (6), and means for feeding pre-printed sheets between the two rollers so that the said coating material is applied to said predetermined areas and thus be complementary to said pre-printed areas on the sheets.

Compl. Specn. 18 pages. Drgs. 4 sheets.

CLASS : 205-B & G. 162363

Int. Cl. : B 29 h 5/02, 5/04.

TIRE ENVELOPE SEALING APPARATUS FOR RECAPPING TIRES.

Applicant : OLIVER RUBBER COMPANY 1200 65TH STREET, OAKLAND, CALIFORNIA 94608, UNITED STATES OF AMERICA.

Inventor : 1. MICHAEL JOHN KING.

Application No. 430/Cal/84 filed June 20, 1984.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office, Calcutta.

10 Claims

An apparatus for use in vulcanizing a premolded, precured tire tread to a tire carcase in a tire retreading operation, for sealing a retreading envelope against the tire carcass, comprising :

a rigid circular ring sized to fit against the exterior of the tire carcass' bead, with the envelope interposed between the ring and the tire carcass; and

means secured to the ring for clamping the ring tightly against the tire carcass bead with the envelope pressed tightly and continuously against the outside of the bead in an annular seal against passage of gases.

Compl. Specn. 10 pages. Drgs. 2 sheets.

CLASS : 144-E_6. 162364

Int. Cl. C 09 c 3/00.

THE PROCESS FOR PREPARING DISPERSIBLE BERLIN BLUE COATED PIGMENT.

Applicant : MEROCK PATENT GESELLSCHAFT MIT BESCHRANKTER HAFTUNG D-6100 DARMSTADT. FRANKFURT STRASSE 250 FEDERAL REPUBLIC OF GERMANY.

Inventors : 1. DR. AXEL RAU. 2. DR. KLAUS-DIETER FRANZ.

Application No. 517/Cal/84 filed July 18, 1984.

Appropriate office for oppositions proceedings (Rule 4. Patents Rules, 1972) Patent Office. Calcutta.

4 claims

Process for preparing a dispersible Berlin blue-coated pigment wherein mica in aqueous suspension is treated with a solution of a cyanoferrate and an iron salt and is then oxidised, if necessary, and the resulting pigment coated with Berlin blue is separated off, washed and dried, characterised in that after the pigment has been coated with Berlin blue the pigment suspension has added to it first of all at a pH of 3-8 an aluminium salt in an amount of from 0.01—2% by weight, based on aluminium and relative to the total pigment weight, a sulfate and a base and then simultaneously at a pH of 2 to 7, a solution containing 0.1 to 5% by weight, based on the total pigment weight and calculated as the hydroxide, of a metal salt forming a sparingly soluble hydroxide and a solution containing 0.1 to 40% by weight, based on the total pigment weight, of a polysiloxane or at a pH value of 3 to 7 a solution containing 0.01 to 2% by weight based on the total pigment weight of an alkali metal salt of a fatty acid and the pigment is then separated off, washed and dried.

Compl. Specn. 14 pages. Drg. Nil.

CLASS : 146-D_2 & 148-H. 162365

Int. Cl. : B 08 b 3/02, 3/06, 13/00.

METHOD AND PROTECTING APPARATUS FOR AN OPTICAL SURFACE OF AN OPTICAL ELEMENT.

Applicant : THE BABCOCK & WILCOX COMPANY, AT 1010 COMMON STREET, NEW ORLEANS, LOUISIANA-70160, UNITED STATES OF AMERICA.

Inventors : 1. THOMAS LEE BOHL. 2. RICHARD CURTIS CIAMMAICHELLA.

Application No. 572/Cal/84 filed August 17, 1984.

Appropriate office for oppositions proceedings (Rule 4. Patents Rules, 1972) Patent Office. Calcutta.

11 claims

An apparatus for protecting an optical surface of an optical element; from a contaminating environment, comprising :

an outer tube having one open and communicating with the contaminating environment;

an inner tube having sides and an open end, disposed in said outer tube and defining with said outer tube a spurging gas space surrounding said sides and open end of said inner tube;

the optical element associated with said inner tube so that the optical surface thereof is exposed to an inner space of said inner tube with the optical surface spaced from said open end of said inner tubes;

purging gas means connected to said outer tube and communicating with said purging gas space for supplying a purging gas to said purging gas space; and

said inner tube being made of material having porosity within a selected range of 1 to 40 microns so that at least some of the purging gas supplied by said purging gas means to said purging gas space filters into said inner space to prevent aspiration of contaminents from the contaminating environment into said open end of said inner tube.

Compl. Specn. 10 pages. Drg. 1 sheet.

CLASS : 190/B. 162366

Int. Cl. F 01 d 5/00.

BLADE RING FOR A STEAM TURBINE.

Applicant : WESTINGHOUSE ELECTRIC CORPORATION. OF WESTINGHOUSE BUILDING. GATEWAY CENTRE. PITTSBURGH. PENNSYLVANIA 15222. UNITED STATES OF AMERICA.

Inventor : 1. LEWIS J. MILLER.

Application No. 139/Cal/85 filed February 25. 1985.

Appropriate office for opposition proceedings (Rule 4. Patents Rules. 1972) Patent) Office. Calcutta.

6 claims

A steam turbine comprising an outer horizontally split cylindrical casing, an inner horizontally split cylindrical casing disposed within the outer casing and supported from the outer casing, a blade ring disposed partially within the inner casing and partially within the outer casing and having support arms which extend outwardly to and are supported by the outer casing whereas the inner and outer casings are smaller in diameter and thinner.

Compl. Specn. 6 pages. Drg. 4 sheets.

CLASS : 39-G. 162367

Int. Cl. C 01 b 33/10.

A PROCESS FOR PRODUCING SILICON TETRAFLOURIDE.

Applicant : D SWAROVSKI & CO.. OF SWAROVSKISTRASSE 36 A-6112, WATTENS-AUSTRIA.

Inventor : 1. DR. WOLFGANG PORCHAM.

Application No. 256/Cal/85 filed April 4, 1985.

Appropriate office for opposition proceedings (Rule 4. Patents Rules, 1972) Patent) Office. Calcutta.

3 Claims.

A process for producing silicon tetrafluoride, characterized in that gases containing silicon fluorine are hydrolyzed, by a method such as herein described the hydrolysate reacted with sodium fluoride, potassium fluoride or barium fluoride, and the reaction product obtained decomposed thermally. thereby forming the silicon tetrafluoride.

Compl. Specn. 10 pages. Drg. 2 sheets.

Class. 68-D. 162368

Int. Cl. H02 m 1/16

IGNITION CIRCUIT FOR A POWER THYRISTOR.

Applicant : SIEMENS AKTIENGESELLSCHAFT, OF BERLIN AND MUNICH, WEST GERMANY

Inventor : 1. GERD THIELE.

Application No 427/Cal/85 filed June 6, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

An ignition circuit for a power thyristor with a threshold value element, for protective ignition in the event of over-voltage, connected between the anode and the gate of the power thyristor said threshold value element having a surge peak voltage. V_{DSMS} which is smaller than the surge peak voltage, V_{DSM} of the power thyristor, the improvement comprising :

a first and a second series resistor-capacitor, RC, circuits connected in series at a junction of the first and second RC circuits across the anode-to-cathode portion of the power thyristor

said threshold value element connected between the RC circuits junction and the gate of the power thyristor; and

said first and said second resistance and capacitance circuit values are determined by

$$\frac{V_{DSMS}}{V_{DSM}} = \frac{C_1}{C_1 + C_2} = \frac{R_2}{R_1 + R_2}$$

and

$$R_1 C_1 = R_2 C_2 ;$$

wherein R_1, C_1 are the resistance and capacitance values of the first RC circuit connected between the anode of the power thyristor and the threshold element, and R_2, C_2 are the resistance and capacitance values of the second RC circuit connected between the threshold element and the cathode of the power thyristor.

Compl. Specn. 8 pages. Drg. 1 sheet

CLASS : 119- B & D. 162369

Int. Cl. D 03 d 37/00

CIRCULAR LOOM.

Applicant & Inventor : FRANZ XAVER HUEMER, OF SONNENUHRGASSE 4, 1060 VIENNA, AUSTRIA.

Application No. 432/Cal/85 filed June 7, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 claims

A circular loom, in the circular reed of which a plurality of weaving shuttles rotate.

whereby each weaving shuttle comprises rollers arranged in pairs on the top edge and bottom edge thereof, said rollers operating together with the corresponding gliding surfaces on the upper shuttle race resp. lower shuttle race of the circular reed, and

whereby each shuttle is supported circulating on the shuttle guide rods by the centrifugal force conveyed by the support elements.

2—67 GI/88

wherein the shuttle guide rods of the circular reed delimit in each case between each other a slit in the region of the upper and the lower shuttle race, which slit receives at open travelling shed one of the respective warp threads of the upper shed resp. the lower shed, and form there an upper and a lower rollway.

taking up the centrifugal force of the circulating weaving shuttle,

for the respective pairs of support rollers on the shuttle,

which slit widens outside the rollways towards the reed-horizontal median plane to a web crossing space.

Compl. Specn. 20 pages. Drgs. 3 sheets.

CLASS : 175-H 162370

Int. Cl. F 02 f 3/00.

PISTON FOR INTERNAL COMUSTION ENGINES OR COMPRESSOR.

Applicant & Inventor : JEAN FREDERIC MELCHIOR, OF 136 BLD MONTPARNASSE, 75014 PARIS, FRANCE.

Application No. 511/Cal/85 filed July 10, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent) Office, Calcutta.

15 claims

A piston for an internal combustion engine or compressor, intended to be driven with an uninterrupted reciprocal movement in normal operation in a cylinder where it separates one from the other two enclosures filled respectively with a gas at a relatively high pressure and with a gas at a relatively low pressure, which piston carries a packing having a continuous annular shape contributing to providing sealing between these two enclosures and housed in a groove of the piston open towards the position of the inner wall of the cylinder and comprises lubricating means as well as guide means positioning said piston in said cylinder said packing ring fills said groove and is made from a semi-solid material slightly deformable under the effect of the forces likely to be developed during operation in this groove : said piston further comprises means for placing said packing under a pressure stress tending to cause it to leave said groove towards the outside of the cylindrical wall of the piston the outer diameter of said piston on each side of said groove is sufficiently large with respect to the inner diameter of said cylinder so that the annular clearance between the piston and the inner wall of said cylinder cannot allow the packing to escape by flowing in said clearance under normal operating conditions of the piston ; said lubricating means are formed by an oil supply and internal distribution means capable of filling said annular clearance with oil at least against the side of said packing which is turned towards the enclosure filled with a relatively low preassure gas ; and the outer height of said packing measured parallel to the axis of the piston is sufficiently large for a film of the oil to be maintained during operation along and about said packing despite the forces which tend to exhaust this film.

Compl. Specn. 18 pages. Drgs. 5 sheets.

CLASS : 62-F. 162371

Int. Cl. D 06 f 35/00

ELECTRIC WASHER-CUM-DRIER.

Applicant & Inventor : NABA KUMAR BANDOPADHAY, AND SRUTI BANDOPADHAY, BOTH OF 144, JODHPUR PARK, CALCUTTA-700 068, WEST BENGAL, INDIA.

Application No. 119/Cal/84 filed February 21, 1984.

Complete Specn left on 21st March, 1985.

Appropriate office for opposition proceedings (Rule 4 Patents Rules, 1972) Patent) Office, Calcutta.

7 claims

An electrically operated immersion type washer-cum-drier for clothes/utensils and the like, comprising a pair of movable washing-cum-drying components, each said component being constituted by an electrically conductive metal disc flexibly supported in leak-proof manner on top of an electrically insulated housing, an electric heating coil disposed below the said disc and accommodated within the housing, and one or more A.C. electro-magnet(s) provided within the housing and in the vicinity of the said disc such that the letter remains within the magnetic field of the magnet(s), when energised; and a power distribution source for connecting the two discs of said pair of components to two terminals of power supply in opposite polarity and with desired voltage, and for energising the heating coil and the electro-magnet(s) of each said component with desired voltage, in synchronisation with each other or independently, depending on requirements.

Provisional Specn. 7 pages. Drg. 1 sheet.

Compl. Specn. 11 pages. Drg. nil.

CLASS : 116-C. 162372

Int. Cl. B 65 g 17/00.

IMPROVEMENTS IN OR RELATING TO A TROUGH MEMBER FOR A SCRAPER CHAIN CONVEYOR.

Applicant : GEWERKSCHAFT EISENHUTTE WESTFALIA, OF D-4670 LUNEN FEDERAL REPUBLIC OF GERMANY.

Inventors :

1. DIETER GRUNDKEN,
2. GUNTHER DIETMAR SCHOOP,
3. MANFRED REDDER,
4. FRANZ ROLING,
5. HARTMUT SCHEWINSKI,
6. HELMUT TEMME.

Application No. 513/Cal/84 filed July 16, 1984.

Patent addition to No. 454/Cal/84 dated 28th June 1984.

Appropriate office for opposition proceedings (Rule 4 Patents Rules, 1972) Patent) Office, Calcutta.

23 claims

A trough member for a scrapper-chain conveyor according to the parent patent application No. 454/Cal/84 (159919) with divided side profiles each consisting of a lower profile each consisting of a lower profiled strip and an upper profiled strip, the head flanges of the two lower profiled strips being connected by a lower floor plate to form a lower run trough and the flow flanges of the two upper profiled strips being connected by an upper floor plate to form a conveyor trough which is disengageably attached to attachment strips, especially guard plate holder strip, which are fixedly arranged externally on the lower profiled strips and extend above the head flanges thereof, characterised in that the upper profiled strips (6) forming the conveyor trough (2) externally carry attachment pieces (13) which engage in upwardly open apertures (17) of the attachment strips (9) and are disengageably made fast therein by connection elements (19).

Compl. Specn. 27 pages. Drgs. 5 sheets.

CLASS : 162373

Int. Cl. D 04 h 17/00.

APPARATUS FOR FORMING ROLLS FROM STRIPS OF COMPRESSIBLE MATERIALS.

Applicant : JSOVER SAINT-GOBAIN, "LES MIROIRS", 18 AVENUE D'ALSACE, 92400 COURBEVOIE, FRANCE.

Inventors : 1. BERNARD BICHOT, 2. HENRI LEMAIGNEN, 3. BERNARD LOUIS.

Application No. 727/Cal/84 filed October 18, 1984

Appropriate office for opposition proceedings (Rule 4 Patents Rules, 1972) Patent Office, Calcutta.

5 claims

Apparatus for forming rols from strips of compressible material, comprising an assembly of at least three elements defining a space in which the rolling process is performed, these elements being driven in such a way that upon contact with them, the strip is rolled onto itself within the space when they define, one of these elements at least being movable in relation to the others during the course of operation, this element being displaced by motor means directed through control means by computing means which operate according to a programme stored in a memory and according to measurements transmitted by sensors according to the progress of the formation of the roll.

Compl. Specn 25 pages. Drgs. 3 sheets

CLASS : 139-B. 162374

Int. Cl. C 01 b 33/00.

PROCESS FOR THE PRODUCTION OF SILICON FROM RAW QUARTZ IN ELECTRICAL LOW SHAFT TYPE.

Applicant : INTERNATIONAL MINERALS & CHEMICAL CORPORATION, OF 2315 SANDERS ROAD, UNITED STATES OF AMERICA, NORTHBROOK, ILLINOIS 60032, U.S.A.

Inventor : 1. DR. RER. NAT. GERT-WILHELH LASK.

Application No. 781/Cal/84 filed November 13, 1984.

Appropriate office for opposition proceedings (Rule 4 Patents Rules, 1972) Patent Office, Calcutta.

6 claims

A process for the production of silicon from raw quartz, as hereinbefore defined, in an electric low-shaft furnace, in which the furnace is charged with the raw quartz in granular form together with briquettes of a quartz/carbon reducing agent having excess carbon in relation to the reaction $SiO_2+3C=SiC+2C0$, the quartz in the briquetted reducing agent is first converted to SiC at a temperature below 1600°C, in an upper section of the furnace, and the molten raw quartz is then reduced at a temperature above 1600°C in a lower section of the furnace, and briquetted reducing agent having an excess of more than 50 wt.% carbon in relation to the reaction $SiO_2+3C=SiC+200$, is converted to SiC plus activated carbon at a temperature below 1600°C in the upper section of the furnace, the briquettes of reducing agent assuming a coke-like structure, and the raw quartz is reduced partly by this activated carbon and partly by the SiC in the lower section of the furnace.

Compl. Specn. 13 pages Drg nil.

CLASS : 26-C. 162375

Int. Cl. G 01 r 21/00.

AN APPARATUS FOR OBTAINING A CORRECTION VALUE FOR ACTUAL POWER USAGE DURING A MEASURING CYCLE PERIOD.

Applicant : THE BABCOCK & WILCOX COMPANY, OF 1010, COMMON STREET, P O BOX 60035, NEW ORLEANS, LOUISIANA 70160, UNITED STATES OF AMERICA.

Inventor : 1. THOMAS JOSEPH SCHEIB.

Application No. 242/Cal/85 filed March 30, 1985.

Appropriate office for opposition proceedings (Rule 4 Patents Rules, 1972) Patent Office, Calcutta.

4 claims

An apparatus for obtaining a correction value for actual power usage during a measuring cycle period comprising :

timer means for setting the cycle period at a selected duration;

cycle time fraction means connected to said timer means for measuring a fraction of the cycle period which has transpired since the beginning of the cycle period;

time remaining means connected to said timer means for measuring the time remaining in the cycle period;

power measuring means for measuring actual total power used since the beginning of the cycle period and for the fraction of the cycle period measured by said cycle time fraction means; and

calculator means connected to said cycle time fraction means, said time remaining means and said power measuring means for calculating the correction value as a function of a desired target power value, said calculating means multiplying the fraction from said cycle means by the target power value to obtain a fraction of the total target value utilized from the beginning of the cycle and taking the difference between the fraction of the target value and the measured power usage.

Compl. Specn. 14 pages. Drg. 2 sheets.

CLASS : 162376

Int. Cl. F 16 c 43/00.

CENTRE FREE LARGE ROLLING BEARING.

Applicant : HOESCH AKTIENGESELLSCHAFT, OF EBERHARDSTRASSE 12 4600 DORTMUND 1, FEDERAL REPUBLIC OF GERMANY.

Inventors : 1. DIETRICH ANDREE, 2. WALTER CREUTZ.

Application No. 249/Cal/85 filed April 2, 1985.

Appropriate office for opposition proceedings (Rule 4 Patents Rules, 1972) Patent Office, Calcutta.

4 claims

A centre-free large rolling bearing in double constructional form having three bearing races (1, 2, 3), two of which are rotatable independently of each other and with respect to the third and arranged therebetween rolling element rows (4, 5, 6, 7, 8, 9) for rotational connection of two components (11, 13), a centre race (1) being fixedly connectable to a first component (11) and an outer race (2) or an inner race (3) being fixedly connectable to a second component (13), *characterized* in that the centre race (1) consists of a plurality of sub-races (15, 16), that the outer race (2) connected to the second component (13) likewise consists of a plurality of sub-races (20, 21) and a parting line (22) of said outer race is disposed substantially at the same level as the rolling element row (4), bearing the supported load, of said outer race, and that the inner race (3) not connected to the second component (13) has a spacing (18) from the component (13) which is less than the height (19) of the rolling element row (4), bearing the supported load of the connected outer race (2).

Compl. Specn. 10 pages. Drgs. 8 sheets.

CLASS : 24-F. 162377

Int. Cl. B 61 h 1/00.

A BRAKE PAD CARRIER FOR USE IN A DISC BRAKE ASSEMBLY.

Applicant : KNORR-BREMSE GMBH, OF MOOSACHERSTR. 80, D-8000 MUNCHEN 40, FEDERAL REPUBLIC OF GERMANY.

Inventor : 1. MATHIAS SCHORWERTH.

Application No. 340/Cal/85 filed May 3, 1985.

Appropriate office for opposition proceedings (Rule 4 Patents Rules, 1972) Patent Office, Calcutta.

11 claims

A brake pad carrier for use in a disc brake assembly comprising :

a guideway on one side of the carrier and along and/or into and out of which a brake pad is movable for mounting and de-mounting the brake pad relative to the carrier; and

a pad-clamping device mounted on the opposite side of the carrier and engageable with one end of the brake pad in order to retain the latter in the guideway, said clamping device comprising :

a pad holder which is movably mounted on said opposite side of the carrier for movement between a pad-release position and a pad-holding position;

a projecting portion on said holder which is arranged to extend through an opening in the carrier and to block withdrawal of the brake pad from the guideway after mounting of the brake pad therein and upon movement of the pad holder to the pad-holding position; and

means mounting the pad holder on the carrier to permit generaly pivotal or rocking movement of the pad holder between its release position and its holding position about an axis which extends generally parallel to the carrier plane and perpendicular to its longitudinal axis, the mounting means comprising threaded fasteners which extend, parallel to the longaudinal axis of the carrier, through the pad holder and into engagement with brackets fixed tothe carrier, the arrangement of the threaded fasteners being such as to permit the holder to be clamped in its holding position by tightening the fasteners.

Compl. Specn. 14 pages. Drgs. 3 sheets.

CLASS . 162378

Int. Cl. F 23d 14/48.

BURNER FOR BURNING GASEOUS FUEL.

Applicant : VSESOJUZNY NAUCHNO-ISSLEDOVATEISKY INSTITUT METALLURGICHESKOI TEPLOTEKHNIKI, OF SVERDLOVSK, ULITSA STUDENCHESKAYA, 16, USSR.

Inventors : 1. SERGEI IGOREVICH KRYSOV, 2. GENNADY MIKHAILOVICH DRUZHININ, 3. VASILY MIKHAILOVICH BABOSHIN, 4. VIKGOR DMITRIEVICH BORTNIKOV.

Application No. 602/Cal/85 filed August 20, 1985.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 claims

A burner for burning a gaseous fuel, having a casing comprising a swirling member and having its outlet port disposed in the casing and having at the outlet port thereof a nozzle coaxial with the casing and having an auxiliary means for admitting an oxygen-containing gas which comprises a pipe disposed co-axially with the casing and having its outlet port disposed beyond the nozzle of the gas pipe.

Compl Specn 8 pages. Drg. 1 sheet.

CLASS : 157-D. 162379

Int. Cl. E 01 b 9/54.

RAIL SUPPORT.

Applicant : CLOUTH GUMMIWERKE AKTIENGESELLSCHAFT, OF NIEHLER STRASSE 92-116, D-5000 KOLN 60 WEST GERMANY.

Inventor : 1. HERMANN ORTEWEIN.

Application No. 28/Cal/86 filed January 16, 1986.

Appropriate office for opposition proceedings (Rule 4 Patents Rules, 1972) Patent Office Calcutta.

8 claims

A rail support, comprising a ribbed plate having smaller and greater sides and predetermined width and length, the width of said ribbed plate being measured in a direction transverse to the direction of elongation of rails to be supported while the length of said ribbed plate being measured in the direction of elongation of the rails, the width of said ribbed plate being greater than the length of the same, said ribbed plate being provided with openings for passage of connecting elements for connecting said ribbed plate to a foundation; a substantially flat rubber body arranged under said ribbed plate so as to support the latter and having smaller and greater sides and width and length, the length of said rubber body corresponding to the length of said ribbed plate while the width of said rubber body being greater than the width of said ribbed plate so that said rubber body at its small sides extend outwardly beyond said ribbed plate at the small sides of the latter; a shell-shaped frame enclosing said rubber body at its all sides and enclosing said ribbed plate at its greater sides and having a bottom, said rubber body and said bottom of said frame being provided with openings corresponding to said openings of said ribbed plate.

Compl. Speen. 11 pages. Drg. 1 sheet.

CLASS : 1 162380

Int. Cl. : C 09 b 29/00.

PROCESS FOR PREPARING WATER-SOLUBLE MONOAZO COMPOUNDS.

Applicant : HOECHST AKTIENGESELLSCHAFT OF D-6230 FRANKFURT AM MAIN 80, FEDERAL REPUBLIC OF GERMANY.

Inventors : 1. FRITZ MEININGER, 2. HANSJOACHIM BREDERECK.

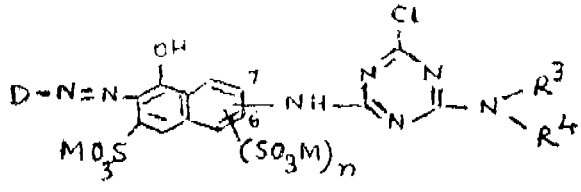
Application No. 97/Cal/87 filed January 30, 1987.

Division of Application No. 1488/Cal/83 dated 5th December, 1983.

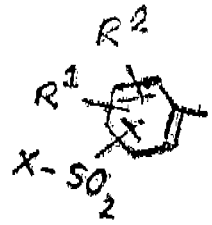
Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims

A process for preparing a water soluble monoazo compound of the general formula (1) of the accompanying drawings

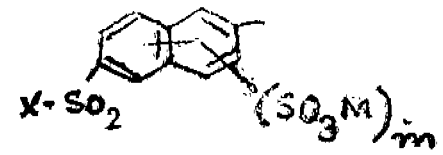


Formula 1

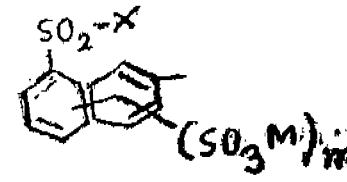


(2a)

in which D is a phenyl or naphthyl radical of the formula (2a), (2b) or (2c)

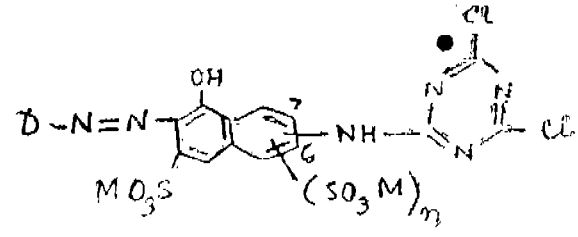


(2b)



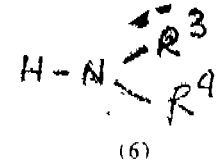
(2c)

in which R^1 is a hydrogen atom, an alkyl group of 1 to 4 carbon atoms, an alkoxy group of 1 to 4 carbon atoms, a corboxy group or sulfo group, and R^2 denotes a hydrogen atom, an alkyl group of 1 to 4 carbon atoms, an alkoxy group of 1 to 4 carbon atoms, a carboxy group or a sulfo group, m represents the number zero, 1 or 2, and X is the vinyl group or a -thiosulfatoethyl, -chloroethyl or -sulfatoethyl group, n represents the number zero or 1, the amino group via which the chlorotriazinyl radical is bonded to the sulfonaphthol radical is in the 6- or 7-position of this naphthol radical, the free sulfo-group-SO_3M in the naphthol radical with M of the meaning given below is bonded to the 5-, 6- or 7-position of the naphthol radical, R^3 is a hydrogen atom or an alkyl group of 1 to 4 carbon atoms which can be substituted by a hydroxy group or by one or two water-solubilizing groups, R^4 is a hydrogen atom or an alkyl group of 1 to 6 carbon atoms which can be substituted by a hydroxy group or by one or two water-solubilizing groups, or is the phenyl or a naphthyl radical where these phenyl and naphthyl radicals can be substituted by one, two or three substituents from the group consisting of sulfo, carboxy, halogen, alkyl of 1 to 4 carbon atoms, alkoxy of 1 to 4 carbon atoms, hydroxy and carbalkoxy of 2 to 5 carbon atoms, or is a cycloalkyl radical, and M is a hydrogen atom or an alkali metal or the equivalent of a metal of main groups II or III of the Periodic Table, which comprises reacting an azo compound of the formula (5)



(5)

in which D, M and n have the meanings as mentioned above and in which the free sulfo group is bonded to the naphthalene nucleus in the 5-, 6- or 7-position and the amino group which is bonded to the dichloro-triazinyl radical is bonded to the naphthalene nucleus in the 6- or 7-position, with an amine of the formula (6).



(6)

in which R^3 and R^4 have the meanings as mentioned above.

Compl. Speen 25 pages. Drg. 1 sheet.

OPPOSITION PROCEEDINGS

An opposition entered by Widia (India) Ltd., to the grant of a Patent on application No. 150919 made by Sandvik Aktiebolag as notified in the Gazette of India Part III, Section 2 dated 30th July, 1983 and ordered that a Patent shall be sealed subject to amendment of the specification of the Patent application.

PATENTS SEALED

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AMENDMENT PROCEEDINGS UNDER SECTION 57

The amendments proposed by Shri Padmanna Jambu Chaugule, Post Office Manjari, Taluka Chikkodi, District Belgaum (Karnataka State) India Pin 591 264 in respect of Patent application No. 159943 as advertised in Part III Section 2 of the Gazette of India dated 19th December 1987 have been allowed.

AMENDMENT PROCEEDINGS UNDER SECTION 57 OF THE PATENTS ACT, 1970

Notice is hereby given that BBC BROWN, BOVERI & COMPANY LIMITED, CH-5401, Baden, Switzerland, have made an Application under Section 57 of the Patents Act, 1970 for amendment of the Application, Specification and Drawings of their Patent Application No. 161658 for "EXHAUST-GAS TURBOCHARGER FOR THE TWO STAGE SUPERCHARGING OF AN INTERNAL-COMBUSTION ENGINE WITH A DEVICE TO PREVENT LOSSES OF LUBRICANT"

The amendments are by way of correction. The Application for amendments and proposed amendments can be inspected free of charge at the Patent Office, 61, Wallajah Road, Madras-600 002, or copies of the same can be had on payment of the usual copying charges. Any person interested in opposing the Application for amendment may file a Notice of Opposition on prescribed Form-30 within 3 months from the date of the Notification at the Patent Office, Madras. If Written Statement of Opposition is not filed with the Notice of Opposition, it shall be left within one month from the date of filing the said Notice.

AMENDMENT PROCEEDINGS UNDER SECTION 57 OF THE PATENTS ACT, 1970

Notice is hereby given that BBC BROWN, BOVERI & COMPANY LIMITED, CH-5401, Baden, Switzerland, have made an Application under section 57 of the Patents Act, 1970, for amendment of the Application, Specification and Drawings of their Patent Application No. 162055 for "COMPRESSED-GAS BREAKER". The amendments are by way of correation. The Application for amendments and proposed amendments can be inspected free of charge at the Patent Office, 61, Wallajah Road, Madras-600 002. or copies of the same can be had on payment of the usual copying charges Any person interested in opposing the Application for amendment may file a Notice of Opposition on prescribed form-30 within 3 months from the date of Notification at the Patent Office, Madras. If written Statement of Opposition is not filed with the Notice of Opposition, it shall be left within one month from the date of filing the said Notice.

AMENDMENT UNDER SECTION 78 ALLOWED

156136. Original claims 1, 3, 4 and 14 deleted and subsequent claims renumbered. The word "Process" from the opening description of the invention deleted.

156144. Insert "accompanying to claim 1" after the word "extruded in claim 15".

RENEWAL FEES PAID

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CESSATION OF PATENTS

[illegible]165.

REGISTRATION OF DESIGNS

The following design have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 30 of the Designs Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

Class 1, No. 158449. Takahiro Imahashi, of 3-21-25, Higashi-Motomachi, Kokubunji, Tokyo, Japan. "Faceting Machine". 22nd June, 1987.

Class 1. No. 158512. Shrikant Digamber Gogate, Indian National of D/448. Mahindra & Mahindra Colony Shrikrishna Nagar, Borivali (East), Bombay-400 066, State of Maharashtra, India "a greater". 9th July, 1987.

Class 1. No. 158933. The Hindoostan Spinning and Weaving Mills Limited (an Indian Company) of Sir Vithaldas Chambers, 16 Bombay Samachar Marg, Bombay-400 001, State of Maharashtra, India. "Instrument Cabinet". 13th October, 1987.

Class 1. No. 158949. Grover Brothers, 180 Kamal Market, New Delhi-110 002, India, a firm registered under the Partnership Act, 1982. "Room Cooler". 20th October, 1987.

Class 1. No. 158976. The Gillete Company, a corporation organised under the laws of the State of Delaware United States of Massachusetts, United States of America, manufacturers. an "Overcap For Shaving Unit". 27th October, 1987.

Class 1. No. 158990. Earl Bihari Private Limited, (a Company incorporated under the Indian Companies Act) at 148-B, St. Cyril's Road, Bandra, Bombay-400 050, State of Maharashtra, India. "Shelf Support". 2nd November, 1987.

Class 1. Nos. 158991 & 158992. Earl Bihari Private Limited (a company incorporated under the Indian Companies Act) at 148-B, St. Cyril's Road, Bandra, Bombay-400 050. State of Maharashtra, India. "HINGE 2. 2nd November, 1987.

Class 2. No. 158335. Barbara Dewar, a British Subject. of 28 Riseholme, orton Goldhay, Peterborough, Cambridgeshire PE2 OS P. England. "a Book". 14th May, 1987.

Class 3. No. 158550. Rajinder Nath, an Indian national, C/o. C. L. Electrical & Mechanical Co., 1-2, Industrial Estate, Ambala City-134 002, Punjab, India. "A Mixing Machine". 17th July, 1987.

Class 3. No. 158561. Choksons Private Ltd., an Indian Company of Saki Vihar Road, P. O. Box 843, Powai. Bombay-400 072, Maharashtra and also at Tavawala Building, Pathak Wadi, Bombay-400 002, Maharashtra, India. "Angle Holder For Electric Bulbs". 20th July, 1987.

Class 3. Nos. 158940 to 158942. Universal Symetrics Corporation, a New Jersey Corporation of 292 Fort Plains Centre, Howell, New Jersey 07731, U. S. A. "Bottle". 15th October, 1987.

Class 3. Nos. 158993. Clair Packagings Private Limited, (an Indian Company) at 404-A Waghwadi, 3rd floor, Kalbadevi Road, Bombay-400 002, State of Maharashtra, India. "Bottle". 2nd November, 1987.

Extn. of Copyright for the Second Period of five years.

Nos. 146339, 146350, 143228, 144866, 144867, 144864 ..... Class-1.

No. 146741. ..... Class-3.

Nos, 146167, 146677, 146671. ..... Class-10.

Application No. Index of Complete specifications Accepted

(148274—149506)

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186/Mas/78	148998
189/Mas/78	148999
191/Mas/78	149000

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211/Mas/78	148914	195/Del/78	148356	366/Del/78	138908
213/Mas/78	148439	196/Del/78	148559	367/Del/78	149168
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217/Mas/78	149002	202/Del/78	148642	370/Del/78	148730
218/Mas/78	149257	203/Del/78	148748	371/Del/78	148483
221/Mas/78	149258	204/Del/78	149112	373/Del/78	149051
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228/Mas/78	149116	208/Del/78	148644	379/Del/78	148563
12/Del/78	149162	211/Del/78	148528	381/Del/78	149506
17/Del/78	148762	213/Del/78	149411	384/Del/78	148416
24/Del/78	148298	219/Del/78	148696	385/Del/78	148417
26/Del/78	148297	222/Del/78	148697	387/Del/78	149145
29/Del/78	148693	223/Del/78	148401	388/Del/78	148656
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47/Del/78	148634	235/Del/78	148733	402/Del/78	148754
51/Del/78	148413	240/Del/78	148283	406/Del/78	149007
52/Del/78	148729	241/Del/78	148480	407/Del/78	149146
66/Del/78	148391	245/Del/78	148381	409/Del/78	149451
69/Del/78	148555	248/Del/78	148645	415/Del/78	148659
74/Del/78	148872	249/Del/78	148648	426/Del/78	148566
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87/Del/78	148421	267/Del/78	149412	439/Del/78	148660
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97/Del/78	148422	274/Del/78	148903	445/Del/78	148359
101/Del/78	148423	277/Del/78	148561	449/Del/78	148909
102/Del/78	148280	284/Del/78	148562	453/Del/78	148484
104/Del/78	148327	287/Del/78	148380	455/Del/78	148508
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184/Del/78	148640			556/Del/78	148306

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1980

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445/Del/80	148768
554/Del/80	149097
704/Del/80	149326
705/Del/80	149327
794/Del/80	149482

1981

161/Cal/81	149140
11/Bom/81	149324

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